Amendments to the Claims:

1-10. (Canceled)

11. (Currently Amended) An apparatus for detecting the location of electrical activity in the wall of a human bladder, comprising:

an expandable non-contact detector adapted to be introduced into the bladder via the urethra in a collapsed condition and reversibly expandable when in the bladder, and having a connector to the exterior, the detector comprising an array of detection sites adapted to detect electrical activity in the wall of the bladder when positioned at a distance from the wall of the bladder, whereby the location of said electrical activity in the wall can be determined;

a filling lumen having a distal end for insertion via the urethra into the bladder, the distal end defining an open end adapted to permit passage of a sterile fluid from the exterior through [[an]] the open end ~~of the filling lumen~~ directly into the bladder for distending the bladder; and

an external closure for the filling lumen, the closure being effective when closed to maintain the bladder in a distended state, and being effective when released to drain the bladder.

12-13. (Canceled)

14. (Currently Amended) The apparatus according to claim [[13]] 11 wherein said detection sites are uniformly distributed on [[the]] a surface ~~thereof~~ of the detector.

15. (Currently Amended) The apparatus according to claim 14 wherein said expandable ~~device~~ detector resembles a sphere in the expanded state.

16. (Currently Amended) The apparatus according to claim 14 wherein said expandable ~~device~~ detector comprises a cage having a plurality of arcuate arms extending between opposite poles.

17. (Currently Amended) The apparatus according to claim [[12]] 11 and including an external telescopic connector whereby relative telescoping movement causes the ~~device~~ expandable detector to expand and contract on demand.

18. (Currently Amended) The apparatus according to claim [[12]] 11 wherein the expandable ~~device~~ detector comprises an inflatable device.

19. (Currently Amended) The apparatus according to claim 18 wherein said inflatable device includes an inflation lumen for inflating the inflatable device, the inflation lumen having an external closure.

20. (Canceled)

21. (Previously Presented) The apparatus according to claim 11 and comprising multiple lumens.

22. (Canceled)

23. (Currently Amended) The apparatus according to claim [[22]] 11 wherein said detection sites are uniformly distributed.

24. (Currently Amended) The apparatus according to claim [[12]] 11 and further comprising orientation means whereby the orientation of the expandable device in the bladder may be determined from outside the bladder.

25. (Currently Amended) The apparatus according to claim [[12]] 11 and further including a lumen adapted to receive a stiff curved guide member for steering of the expandable device.

26. (Currently Amended) The apparatus according to claim 11 and further including an ablation tool adapted for insertion through the urethra and having an ablation device at a tip of said tool operable to ablate the internal surface of the bladder wall.

27. (Previously Presented) The apparatus according to claim 26 wherein the tip of said tool is detectable by a position sensing apparatus.

28. (Previously Presented) The apparatus according to claim 27 wherein the tip of said tool is adapted to be electrically active and wherein said apparatus is adapted to detect said activity.

29. (Previously Presented) The apparatus according to claim 11, wherein the external closure for the filling lumen comprises a valve.

30. (New) The apparatus according to claim 21, wherein one of the multiple lumens is adapted to receive the expandable detector therethrough.